

Title (en)  
POLYACETAL RESIN COMPOSITION

Title (de)  
POLYACETALHARZZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DE RESINE DE POLYACETAL

Publication  
**EP 1508592 B1 20110316 (EN)**

Application  
**EP 03733171 A 20030529**

Priority  
• JP 0306778 W 20030529  
• JP 2002156632 A 20020530

Abstract (en)  
[origin: EP1508592A1] A polyacetal resin composition having high rigidity and also excellent in dimensional stability and creep characteristics is provided. A polyacetal resin composition prepared by blending (A) 99.9 to 90 parts by weight of a linear polyacetal resin having a melt index of 1 to 50 g/min obtained by copolymerizing (a) 99.5 to 97.5% by weight of trioxane and (b) 0.5 to 2.5% by weight of a compound selected from a mono-functional cyclic ether compound and a mono-functional cyclic formal compound, with (B) from 0.1 to 10 parts by weight of a branched or crosslinked polyacetal resin having a melt index of 0.1 to 10 g/min obtained by copolymerizing (a) 99.49 to 95.0 % by weight of trioxane, (b) 0.5 to 4.0% by weight of a compound selected from a mono-functional cyclic ether compound and mono-functional cyclic formal compound and (c) 0.01 to 1.0% by weight of a poly-functional glycidyl ether compound with the number of functional groups of 3 to 4, in which (A) and (B) are selected so that the ratio between the melt index of (A) and the melt index of (B) can satisfy the relation of the following formula:  $\frac{MIB}{MIA} \leq 1.5$  (where MIA is a melt index of (A) and MIB is a melt index of (B)).

IPC 8 full level  
**C08L 59/00** (2006.01); **C08L 59/04** (2006.01); **C08G 2/12** (2006.01); **C08G 2/18** (2006.01)

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Cited by  
EP3480253A4; EP2123709A4; EP2123710A4; EP1887043A1; US2014186562A1; US10181363B2; US7619020B2; US8741202B2; US9109112B2

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